

Application No.

10/081,599 Examiner

Celine X Qian Ph.D.

Applicant(s)

MUNDT ET AL. Art Unit

1636

| Rejected | - | (Through numeral)<br>Cancelled | Ν | Non-Elected  |  |
|----------|---|--------------------------------|---|--------------|--|
| Allowed  | + | Restricted                     | i | Interference |  |

| A | Appeal   |
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| 0 | Objected |

| Cla  | aim      |          |          |          | [  | Date   | e |          |          |          | Cla            | aim        |  |                         |          | Ę        | ate      |          |          |          |          | CI             | aim      |              |          |  | . (  | Date     | е        |          |     |   |
|--|----------|----------|----------|----------|--|--|---|----------|----------|----------|----------------|------------|--|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------------|----------|--------------|----------|--|--|----------|----------|----------|-----|---|
|  | =        |          |          |          |  |  |   |          |          |          |                | -          |  |                         |          |          | - [      |          |          |          |          |                | -        |              |          |  |  |          |          |          |     |   |
| Final  | Original | 12/8/04  |          |          |  |  |   |          |          |          | Final          | Original   |  |                         |          |          |          |          |          |          |          | Final          | Original |              |          |  |  |          |          |          |     |   |
| i=   | E        | 3/2      |          |          |  |  |   |          |          |          | i <del>E</del> | <u>:</u> E |  |                         |          |          |          |          |          |          |          | i <del>E</del> | Ĕ,       |              |          |  |  |          |          |          |     |   |
|  | 0        | 1        |          |          |  |  |   |          |          |          |                | 0          |  |                         |          |          |          |          |          |          |          |                | 0        |              |          |  |  |          |          |          |     |   |
|  | 1        | V        |          |          |  |  |   |          |          | $\neg$   |                | 51         | <del>                                     </del> | П                       |          |          | $\neg$   | T        | 一        |          |          |                | 101      |              |          |  |  |          |          |          |     |   |
|  | 2        | T        |          | _        |  |  |   |          |          |          |                | 52         |  | H                       |          |          | $\neg$   | 寸        |          |          |          |                | 102      |              |          |  |  |          |          |          |     |   |
|  | 3        | H        |          |          |  |  |   |          |          | $\dashv$ |                | 53         |  | $\vdash \dashv$         |          |          | -        | -+       | $\neg$   | $\dashv$ |          | -              | 103      | _            | t        |  |  |          |          | H        |     |   |
|  | 4        | V        |          |          |  | $\vdash$   |   | $\vdash$ |          | $\dashv$ |                | 54         |  | H                       |          |          | _        | T†       | 一        | $\dashv$ | -1       |                | 104      |              | $\vdash$ |  |  |          |          |          |     | _ |
| -  | 5        | 7        | $\vdash$ | _        |  |  | - | $\vdash$ |          |          |                | 55         |  | $\vdash$                |          | -        | _        |          | $\dashv$ |          |          | -              | 105      |              | $\vdash$ | -  | -  |          | _        | $\vdash$ |     |   |
| <u> </u>   | -        | N        |          |          |  | $\vdash$   |   | $\vdash$ |          | $\dashv$ | -              | 56         | -  | -                       |          | -        | +        | $\dashv$ |          |          |          |                | 106      |              |          | -  |  |          | _        | -        |     |   |
|  | 6        | H        |          |          | _  | $\vdash$   |   |          |          | -        | <b></b>        | 50         | -  | $\vdash$                | -        | -        | {        | -+       |          | $\dashv$ |          | -              | 107      |              |          | H  | $\vdash$   |          |          |          |     |   |
|  | 7        | Н        |          |          |  |  |   |          |          |          |                | 57         | -  | $\vdash$                |          |          | -        | $\dashv$ | $\dashv$ | $\dashv$ | _        |                |          | _            | $\vdash$ | H  | _  |          | _        | H        |     |   |
| ļ  | 8        | Н        |          |          |  | _  |   |          | _        | _        |                | 58         | <u> </u>   |                         | $\dashv$ | _        | -        | -        | $\dashv$ |          |          |                | 108      | <u> </u>     |          |  |  |          |          | H        |     |   |
|  | 9        | Ц        |          |          |  |  |   | L        | _        |          | -              | 59         |  |                         |          |          | _        | _        | _        | _        |          |                | 109      | <u> </u>     | _        |  |  |          |          | Н        | _   |   |
|  | 10       | Ш        |          |          |  |  |   | _        |          |          |                | 60         |  | Щ                       | _        |          | _        | _        | _        |          |          |                | 110      | -            |          | 1  | -  |          | $\vdash$ | $\sqcup$ |     |   |
|  | 11       | Ш        |          |          |  |  |   | L        |          |          |                | 61         | <u> </u>   | Ш                       |          |          |          | _        |          |          |          |                | 111      | l            | <u> </u> | <u> </u>   | _  | L_       | <u> </u> | Ш        |     |   |
|  | 12       | L        |          |          |  | <u> </u>   |   |          |          |          |                | 62         |  | Ш                       |          |          | _        |          |          |          |          |                | 112      | _            |          |  | _  |          |          | Ш        |     |   |
|  | 13       | Ц.       |          |          |  |  |   |          |          |          |                | 63         |  |                         |          |          |          | $\sqcup$ |          |          |          |                | 113      |              |          | <u>L</u>   |  | L        |          |          |     |   |
|  | 14       | V.       |          |          |  |  |   |          |          |          |                | 64         |  |                         | ]        |          |          |          |          |          |          |                | 114      | oxdot        | $\Box$   | Ŀ  | L  |          |          | Ш        |     |   |
|  | 15       | V        |          |          |  |  |   |          |          |          |                | 65         |  |                         |          |          |          | T        | $\neg$   | $\neg$   |          |                | 115      | $L^{-}$      | L        | $L^{-}$  | L  | L        |          |          |     |   |
|  | 16       | Ť        |          |          |  |  |   |          |          | $\neg$   |                | 66         |  | $\Box$                  |          |          |          | T        | 一        |          |          |                | 116      |              |          | <u> </u>   | [  |          |          |          |     |   |
|  | 17       |          |          |          |  |  |   |          |          |          |                | 67         |  | $\Box$                  | $\neg$   |          |          | 寸        | 一        | $\neg$   |          |                | 117      | Г            |          |  |  |          |          | П        |     |   |
|  | 18       | <u> </u> |          | $\neg$   |  |  |   |          |          | $\dashv$ |                | 68         | <u> </u>   |                         |          |          | 1        | 寸        |          | $\neg$   |          |                | 118      | 1            | Г        |  |  |          |          |          |     |   |
|  | 19       |          |          |          |  | <del>                                     </del> |   |          |          | $\neg$   |                | 69         |  | Н                       |          |          |          | ┪        | $\neg$   | $\neg$   |          |                | 119      |              |          |  |  |          | -        |          |     |   |
|  | 20       |          |          |          |  |  |   |          |          | _        |                | 70         |  | Н                       | $\neg$   | $\neg$   |          | -        | -        | $\dashv$ |          |                | 120      |              | H        |  | $\vdash$   |          |          | П        |     |   |
|  | 21       | $\vdash$ |          | _        |  | $\vdash$   |   |          |          | $\dashv$ |                | 71         | $\vdash$   | H                       | $\dashv$ | $\dashv$ | -        | -+       | -        | $\dashv$ |          |                | 121      |              | H        | 1  |  | _        | -        | Н        |     |   |
| -  | 22       | $\vdash$ |          | _        |  |  |   |          |          | -        | <u> </u>       | 72         | -  | Н                       | -        | -        |          | $\dashv$ |          | $\dashv$ |          | -              | 122      |              | H        |  | $\vdash$   |          |          |          |     |   |
|  | 23       | $\vdash$ | -        |          |  |  |   | $\vdash$ |          |          |                | 73         | $\vdash$   | H                       | -        |          | -+       | -+       |          | _        |          |                | 123      | $\vdash$     | $\vdash$ |  | ┢  | -        |          |          |     |   |
| -  |          | -        |          |          |  | H  |   | -        |          |          |                | 74         |  | Н                       | -        |          |          | -        | $\dashv$ | $\dashv$ | -        |                | 124      | ┢            | $\vdash$ |  | ļ  |          |          |          |     |   |
| -  | 24       | <u> </u> |          |          |  | -  |   |          | $\vdash$ | -        |                | 75         |  | -                       | $\dashv$ | $\dashv$ | -        | $\dashv$ |          |          | _        | -              | 125      | $\vdash$     | ┢        | -  |  |          | ┝        |          | -   | _ |
| <u> </u>   | 25       | <u> </u> |          |          |  | <u> </u>   |   | H        | $\vdash$ | $\dashv$ |                | 76         | $\vdash$   | $\vdash$                | $\dashv$ | $\dashv$ |          |          |          | $\dashv$ |          |                | 126      |              | ⊢        |  |  |          |          | -        |     |   |
|  | 26       |          |          |          |  |  |   | <u> </u> | _        | -        | -              |            | $\vdash$   | $\vdash \vdash$         | $\dashv$ |          |          | $\dashv$ | $\dashv$ | $\dashv$ |          | -              |          | -            | ├        | -  | -  |          | _        |          |     |   |
|  | 27       | <u> </u> |          |          |  | <u> </u>   |   | _        | _        | _        | -              | 77         | _  |                         |          |          |          | -        | $\dashv$ | $\dashv$ |          |                | 127      | -            |          |  | ┝  | <u> </u> | <u> </u> |          |     |   |
|  | 28       |          |          |          | $\Box$   | ļ  |   |          |          | _        |                | 78         | <u> </u>   | $\vdash$                | $\dashv$ | $\dashv$ | 4        | _        |          |          | _        |                | 128      | <u> </u>     | <u> </u> |  |  |          |          |          |     |   |
| L  | 29       |          |          |          |  |  |   |          |          |          |                | 79         |  |                         | _        | _        | _        | _        | _        | _        | Ш,       |                | 129      | _            | Ш        | ļ  | <u> </u>   |          |          |          |     |   |
| L  | 30       | L        |          |          | Ш  | lacksquare                                       |   | L.,      | L        |          |                | 80         |  | Ш                       |          |          |          | _        | _        | _        |          |                | 130      |              | $\sqcup$ |  | <u> </u>   |          |          | Ш        |     |   |
|  | 31       |          |          |          |  |  | Ш |          | _        | _        |                | 81         | _  | Щ                       |          |          | $\perp$  | $\perp$  | _        |          | _        |                | 131      | <u> </u>     |          | _  | <u> </u>   | <u> </u> | L_       | Ш        |     |   |
|  | 32       |          |          |          | L  |  |   | L_       | Щ        |          |                | 82         | _  | Ш                       |          |          |          |          |          |          |          | <u> </u>       | 132      |              | Ш        | _  |  | L        |          | L        |     |   |
| L  | 33       |          |          |          |  |  |   |          |          |          |                | 83         |  |                         |          | •        |          | [        |          |          |          |                | 133      | <u></u>      | Ш        |  | _  | L        | Ш.       |          |     |   |
|  | 34       |          |          |          |  |  |   |          |          |          |                | 84         | L  |                         | ]        | I        |          |          | [        | [        |          |                | 134      |              |          | _  | _  |          |          | Ш        |     |   |
|  | 35       |          |          |          | LĪ   | $L^{-1}$   |   | L        |          | _]       |                | 85         |  | LI                      |          |          |          | _]       | [        | [        |          |                | 135      | L            |          |  | L  |          |          |          |     | L |
|  | 36       |          |          |          |  |  |   |          |          |          |                | 86         |  |                         |          |          |          |          |          |          | ]        |                | 136      |              |          |  |  |          |          |          |     |   |
|  | 37       |          |          |          |  |  |   |          |          | $\neg$   |                | 87         |  |                         | П        |          | T        | $\neg$   | $\neg$   | $\neg$   |          | [              | 137      | L            |          | L_   | L  | L        | L        |          | _ 7 |   |
|  | 38       |          |          |          |  | Г  |   |          |          | $\neg$   |                | 88         |  |                         |          |          |          | T        | T        |          |          |                | 138      |              |          |  |  |          |          |          |     |   |
|  | 39       |          |          |          |  | ļ —  |   |          | П        | $\neg$   |                | 89         |  | $\Box$                  |          |          |          |          | _        |          |          |                | 139      |              | T        |  |  |          |          |          |     |   |
|  | 40       |          |          |          |  |  |   |          | $\Box$   | $\neg$   |                | 90         |  | $\vdash$                | 一        |          |          | $\dashv$ | $\dashv$ | $\neg$   |          |                | 140      | Π            |          | 1  | T  |          |          |          |     | _ |
|  | 41       | $\vdash$ |          | $\neg$   |  |  |   |          |          | $\dashv$ |                | 91         |  | $\vdash \vdash$         | $\dashv$ | $\neg$   |          | $\dashv$ |          |          | $\neg$   |                | 141      | <del> </del> | <b> </b> | <b></b>  | <del>                                     </del> |          | $\vdash$ |          |     |   |
|  | 42       | $\vdash$ | $\vdash$ | $\dashv$ | -  | $\vdash$   |   | $\vdash$ | $\vdash$ | $\dashv$ |                | 92         | $\vdash$   | $\vdash$                | $\dashv$ | $\neg$   |          | $\dashv$ |          | -        | $\dashv$ | <u> </u>       | 142      | $\vdash$     |          | T  | <del>                                     </del> | <b></b>  |          | Н        |     | - |
| <del>                                     </del> | 43       |          | $\dashv$ | -        |  | -  |   |          | $\vdash$ | $\dashv$ |                | 93         |  | $\vdash \vdash$         | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |                | 143      |              | $\vdash$ | <del>                                     </del> | <del>                                     </del> | -        | -        | $\vdash$ | _   | - |
|  | 43       | $\vdash$ |          |          | $\vdash$   | $\vdash$   |   | -        | $\vdash$ | $\dashv$ |                | 94         | $\vdash$   | $\vdash \vdash$         | $\dashv$ | -        | -+       | $\dashv$ |          |          |          | <u> </u>       | 144      |              |          |  | $\vdash$   |          | $\vdash$ | $\vdash$ |     |   |
| <b>—</b>   | 45       | $\vdash$ | $\vdash$ | _        | <del>                                     </del> | -  | - | $\vdash$ |          | $\dashv$ |                | 95         |  | $\vdash$                |          | -        | -        | -+       | $\dashv$ | $\dashv$ | -        | <u> </u>       | 145      | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$ | Н        |     |   |
|  |          | <u> </u> |          |          |  | <u> </u>   |   | H        | H        | $\dashv$ |                | 96         | $\vdash$   | $\vdash \vdash$         |          | -        | $\dashv$ | $\dashv$ | -        | -        | -        | -              | 146      | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$   | -        | -        | $\vdash$ |     |   |
| <u> </u>   | 46       | $\vdash$ | $\vdash$ |          | <del> </del>                                     |  |   | -        | $\vdash$ |          |                | 97         | $\vdash$   | $\vdash \vdash$         | -        | -        |          | $\dashv$ |          |          | $\dashv$ | $\vdash$       | 147      | -            | -        |  | -  | <u></u>  |          |          |     |   |
| ļ  | 47       | <u> </u> |          |          | <b>.</b>   | <u> </u>   |   | $\vdash$ |          | $\dashv$ | <u> </u>       |            | ├  | $\vdash \dashv$         |          | $\dashv$ | -        |          | $\dashv$ |          | -        | -              | 147      | <del> </del> | $\vdash$ | -  | -  | <u> </u> |          | Н        |     | _ |
| <u> </u>   | 48       | -        |          |          |  | _  | H | $\vdash$ | $\vdash$ | $\dashv$ | -              | 98         | $\vdash$   | $\mid \rightarrow \mid$ | -        |          | -+       | $\dashv$ |          | $\dashv$ | $\dashv$ | -              | 148      |              | $\vdash$ |  | -  |          | <u> </u> | Н        |     | - |
| ļ  | 49       | <u> </u> |          |          | Н  | $\vdash$   |   | $\vdash$ | Н        |          | -              | 99         | ⊢  | $\vdash \dashv$         |          |          | -        |          |          |          |          |                | 149      | -            |          | $\vdash$   | -  |          | <u> </u> | Н        | -   | _ |
|  | 50       | L        |          |          | L  | L  |   |          |          |          | L              | 100        | Щ  | L                       |          |          |          |          |          |          |          |                | 150      |              | L        | L  | L  | L        | L        | Ш        |     |   |